

Translation

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference PCT-04Z-137	FOR FURTHER ACTION See Form PCT/IPEA/416	
International application No. PCT/JP2004/003892	International filing date (day/month/year) 22.03.2004	Priority date (day/month/year) 27.03.2003
International Patent Classification (IPC) or national classification and IPC		
Applicant SANYO ELECTRIC CO., LTD.		

<p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>5</u> sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p>a. <input type="checkbox"/> (sent to the applicant and to the International Bureau) a total of _____ sheets, as follows:</p> <p><input type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).</p> <p><input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</p> <p>b. <input type="checkbox"/> (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).</p>																									
<p>4. This report contains indications relating to the following items:</p> <table border="0"> <tr> <td><input checked="" type="checkbox"/></td> <td>Box No. I</td> <td>Basis of the report</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. II</td> <td>Priority</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. III</td> <td>Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. IV</td> <td>Lack of unity of invention</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Box No. V</td> <td>Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. VI</td> <td>Certain documents cited</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. VII</td> <td>Certain defects in the international application</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. VIII</td> <td>Certain observations on the international application</td> </tr> </table>		<input checked="" type="checkbox"/>	Box No. I	Basis of the report	<input type="checkbox"/>	Box No. II	Priority	<input type="checkbox"/>	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	<input type="checkbox"/>	Box No. IV	Lack of unity of invention	<input checked="" type="checkbox"/>	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	<input type="checkbox"/>	Box No. VI	Certain documents cited	<input type="checkbox"/>	Box No. VII	Certain defects in the international application	<input type="checkbox"/>	Box No. VIII	Certain observations on the international application
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Date of submission of the demand	Date of completion of this report
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

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Box No. I Basis of the report

1. With regard to the **language**, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ This report is based on translations from the original language into the following language _____, which is the language of a translation furnished for the purposes of:
- ☐ international search (Rule 12.3 and 23.1(b))
- ☐ publication of the international application (Rule 12.4)
- ☐ international preliminary examination (Rule 55.2 and/or 55.3)
2. With regard to the **elements** of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:
- ☒ the international application as originally filed/furnished
- ☐ the description:
- pages _____ as originally filed/furnished
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☐ the claims:
- nos. _____ as originally filed/furnished
- nos.* _____ as amended (together with any statement) under Article 19
- nos.* _____ received by this Authority on _____
- nos.* _____ received by this Authority on _____
- ☐ the drawings:
- sheets _____ as originally filed/furnished
- sheets* _____ received by this Authority on _____
- sheets* _____ received by this Authority on _____
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.
3. ☐ The amendments have resulted in the cancellation of:
- ☐ the description, pages _____
- ☐ the claims, nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____
4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
- ☐ the description, pages _____
- ☐ the claims, nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

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Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
1.	Statement		
	Novelty (N)	Claims 1-18	YES
		Claims	NO
	Inventive step (IS)	Claims 9, 12, 14, 18	YES
		Claims 1-8, 10-11, 13, 15-17	NO
	Industrial applicability (IA)	Claims 1-18	YES
		Claims	NO
2.	Citations and explanations (Rule 70.7)		
	Document 1: JP 2002-341448 A (Sony Corporation), 27 November 2002		
	Document 2: JP 9-238293 A (Hitachi, Ltd.), 9 September 1997		
	Document 3: JP 8-249540 A (Tec Corporation), 27 September 1996		
	Document 4: JP 9-114403 A (Seiko Epson Corporation), 2 May 1997		
	Document 5: JP 6-3655 A (Casio Computer Co., Ltd.), 14 January 1994		
	Document 6: JP 2001-133781 A (Hitachi, Ltd.), 18 May 2001		
	Document 7: JP 2002-214709 A (Sony Corporation), 31 July 2002		
	Document 8: JP 10-163671 A (Mitsubishi Electric Corporation), 19 June 1998		
	Document 9: JP 2-126377 U (Sokkisha Co., Ltd.), 18 October 1990		
	Document 10: JP 2002-6824 A (NEC Mitsubishi Electric Visual Systems Co., Ltd.), 11 January 2002		
	Document 11: JP 3-36519 A (Fujitsu Limited), 18 February 1991		
	Document 12: JP 5-242987 A (Hitachi, Ltd.), 21 September 1993		

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Box No. V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
citations and explanations supporting such statement

The invention set forth in claims 1 to 5 does not involve an inventive step in the light of documents 1 to 3 cited in the international search report. It would be easy for a person skilled in the art to apply the feature set forth in document 2 (paragraph 73, fig. 10) or document 3 (paragraphs 18 to 22; fig. 3), wherein a power supply unit is positioned in an inclined manner to the side surface to the invention set forth in document 1, which discloses the problem of efficiently cooling a power supply unit and indicates that wind is passed over the power supply unit, in order to solve this problem.

The invention set forth in claims 6 and 7 does not involve an inventive step in the light of documents 4 and 5 cited in the international search report. It would be easy for a person skilled in the art to apply the shield structure set forth in document 5 to the invention set forth in document 4.

The invention set forth in claim 8 does not involve an inventive step in the light of documents 4 and 5 and document 6 cited in the international search report. It would be easy for a person skilled in the art to apply the reinforcing plate structure set forth in document 6 to the invention set forth in document 4.

The invention set forth in claims 10, 11 and 13 does not involve an inventive step in the light of documents 7 to 9 cited in the international search report. It would be easy for a person skilled in the art to apply a detachable connector as set forth in document 8 (paragraph 32; fig. 10) and document 9 as the power

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Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
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supply connector disclosed in document 7 (paragraph 42, fig. 22 and 23).

The invention set forth in claims 15 and 16 does not involve an inventive step in the light of documents 10 and 11 cited in the international search report. It would be easy for a person skilled in the art to employ the feature set forth in document 11 (page 3, lower left column, lines 17 and 18; fig. 1), wherein the temperature of a liquid crystal panel (the charged portion of this application) is detected, in the invention set forth in document 10.

The invention set forth in claim 17 does not involve an inventive step in the light of documents 10 and 11 and document 12 cited in the international search report. It would be easy for a person skilled in the art to employ the feature set forth in document 12 (claim 32), wherein when an abnormality is detected and the power supply is stopped, the power supply is restarted after a predetermined time has elapsed, in the invention set forth in document 10.

The invention set forth in claims 9, 12, 14 and 18 is not disclosed in any of the documents cited in the international search report, and would not be obvious to a person skilled in the art.